



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jerome H. Lemelson
Serial No: 712,411
Filed: March 15, 1985
For: CHEMICAL REACTION
APPARATUS AND METHOD

Examiner: H. Williams
Art Unit: 112

CERTIFICATE OF MAILING

I hereby certify that this correspondence is
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R E S P O N S E

Hon. Commissioner of Patents
and Trademarks

Washington, D.C. 20231

Sir:

This is a response to the Office Letter dated December
18, 1985. Please amend the above identified application as
follows:

IN THE CLAIMS

Please amend the claims as follows:

1. ~~(Amended)~~ Chemical reaction apparatus comprising
in combination:

(a) first means for forming a first stream of
first matter and flowing said [stream] first matter in a
given direction along a ^{selected} ~~predetermined~~ path,

(b) second means for generating a beam of collim-
ated coherent radiation,

(c) third means for directing said collimated
radiation beam along a path to cause it to intersect said
stream of matter and to transfer sufficient energy of said
beam to a quantity of said matter so as to effect a chemical
change in said matter,

(d) fourth means for controlling the conveyance
of said first matter [from said stream] after it has [been
reacted on by] undergone a reaction as a result of the